



Project: Alaska Copper Works

Inspection Date: 03/26/19

Project No.: 19ACW1

Technician: David Carrico

**System Performance:**

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm)	Influent	<u>85</u>	Effluent	<u>127</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>22</u>	Effluent	<u>14</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>21</u>	Effluent	<u>12</u>	
Carbon Filter Pressures (Lead)	Influent	<u>10</u>	Effluent	<u>5</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>5</u>	Effluent	<u>3</u>	

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

**Maintenance and Inspection Checklist:**

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	no issues found
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	calibrations done



**Water Sampling:**

Were water samples taken? ☒ Yes ☐ No

Raw water:	pH	<u>6.12</u>	Turbidity	<u>4.29</u>	NTU
Bag Filter Influent	pH	<u>6.02</u>	Turbidity	<u>8.82</u>	NTU
Bag Filter Effluent	pH	<u>5.92</u>	Turbidity	<u>7.36</u>	NTU
Carbon Filter Influent	pH	<u>5.94</u>	Turbidity	<u>5.60</u>	NTU
Carbon Filter Effluent	pH	<u>6.18</u>	Turbidity	<u>3.07</u>	NTU

**Monthly Tasks:**

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: \_\_\_\_\_

Was Walchem data downloaded? ☒ Yes ☐ No

Were the tank sludge levels checked? ☒ Yes ☐ No

**Sludge Depth (inches):**

Decant Tank:	<u>3"</u>
Treatment tank:	<u>1"</u>
Backflush tank:	<u>0"</u>
Main lift station:	<u>0"</u>
North lift station:	<u>0"</u>
South lift station:	<u>1"</u>

**Additional Comments, Recommendations and System Upsets:**

David Carrico

Technician

Field Tech

Title

3/28/19

Date

**Submit**